



Cisco

Exam Questions 300-715

Implementing and Configuring Cisco Identity Services Engine (SISE)

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NEW QUESTION 1

A company is attempting to improve their BYOD policies and restrict access based on certain criteria. The company's subnets are organized by building. Which attribute should be used in order to gain access based on location?

- A. static group assignment
- B. IP address
- C. device registration status
- D. MAC address

Answer: A

Explanation:

https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin_guide/b_ise_admin_guide_21/b_ise_admin_

NEW QUESTION 2

Select and Place

Administration	provides advanced troubleshooting tools that can be used to effectively manage the network and resources
Policy Service	shares context sensitive information from Cisco ISE to subscenes
Monitoring	manages all system-related configuration and configurations that relate to functionality such as authentication, automation, and auditing
pxGrid	provides network access, posture, guest access, client provisioning and profiling services, and evaluates the policies to make all decisions

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Administration	Monitoring
Policy Service	pxGrid
Monitoring	Administration
pxGrid	Policy Service

NEW QUESTION 3

What should be considered when configuring certificates for BYOD?

- A. An endpoint certificate is mandatory for the Cisco ISE BYOD
- B. An Android endpoint uses EST whereas other operation systems use SCEP for enrollment
- C. The CN field is populated with the endpoint host name.
- D. The SAN field is populated with the end user name

Answer: A

NEW QUESTION 4

What does a fully distributed Cisco ISE deployment include?

- A. PAN and PSN on the same node while MnTs are on their own dedicated nodes.
- B. PAN and MnT on the same node while PSNs are on their own dedicated nodes.

- C. All Cisco ISE personas on their own dedicated nodes.
- D. All Cisco ISE personas are sharing the same node.

Answer: A

Explanation:

https://www.cisco.com/c/en/us/td/docs/security/ise/2-4/admin_guide/b_ISE_admin_guide_24/m_setup_cisco_is

NEW QUESTION 5

A network engineer is configuring a network device that needs to filter traffic based on security group tags using a security policy on a routed into this task?

- A. cts authorization list
- B. cts role-based enforcement
- C. cts cache enable
- D. cts role-based policy priority-static

Answer: B

NEW QUESTION 6

An administrator is configuring the Native Supplicant Profile to be used with the Cisco ISE posture agents and needs to test the connection using wired devices to determine which profile settings are available. Which two configuration settings should be used to accomplish this task? (Choose two.)

- A. authentication mode
- B. proxy host/IP
- C. certificate template
- D. security
- E. allowed protocol

Answer: CE

NEW QUESTION 7

An administrator is configuring RADIUS on a Cisco switch with a key set to Cisc403012128 but is receiving the error "Authentication failed: 22040 Wrong password or invalid shared secret." what must be done to address this issue?

- A. Add the network device as a NAD inside Cisco ISE using the existing key.
- B. Configure the key on the Cisco ISE instead of the Cisco switch.
- C. Use a key that is between eight and ten characters.
- D. Validate that the key is correct on both the Cisco switch as well as Cisco ISE.

Answer: D

NEW QUESTION 8

A user is attempting to register a BYOD device to the Cisco ISE deployment, but needs to use the onboarding policy to request a digital certificate and provision the endpoint. What must be configured to accomplish this task?

- A. A native supplicant provisioning policy to redirect them to the BYOD portal for onboarding
- B. The Cisco AnyConnect provisioning policy to provision the endpoint for onboarding
- C. The BYOD flow to ensure that the endpoint will be provisioned prior to registering
- D. The posture provisioning policy to give the endpoint all necessary components prior to registering

Answer: A

NEW QUESTION 9

Which term refers to an endpoint agent that tries to join an 802 1X-enabled network?

- A. EAP server
- B. supplicant
- C. client
- D. authenticator

Answer: B

Explanation:

[https://www.oreilly.com/library/view/cisco-ise-for/9780133103632/ch16.html#:~:text=What%20is%20a%&text=The%20802.1X%20transactions%20are,Identity%20Services%20Engine%20\(ISE\).](https://www.oreilly.com/library/view/cisco-ise-for/9780133103632/ch16.html#:~:text=What%20is%20a%&text=The%20802.1X%20transactions%20are,Identity%20Services%20Engine%20(ISE).)

NEW QUESTION 10

A network engineer has been tasked with enabling a switch to support standard web authentication for Cisco ISE. This must include the ability to provision for URL redirection on authentication Which two commands must be entered to meet this requirement? (Choose two)

- A. Ip http secure-authentication
- B. Ip http server
- C. Ip http redirection
- D. Ip http secure-server
- E. Ip http authentication

Answer: BD

Explanation:

https://www.cisco.com/en/US/docs/switches/lan/catalyst3850/software/release/3.2_0_se/multibook/configuratio

NEW QUESTION 10

In a Cisco ISE split deployment model, which load is split between the nodes?

- A. AAA
- B. network admission
- C. log collection
- D. device admission

Answer: A

Explanation:

https://www.cisco.com/c/en/us/td/docs/security/ise/2-6/install_guide/b_ise_InstallationGuide26.pdf

NEW QUESTION 13

What must be configured on the WLC to configure Central Web Authentication using Cisco ISE and a WLC?

- A. Set the NAC State option to SNMP NAC.
- B. Set the NAC State option to RADIUS NAC.
- C. Use the radius-server vsa send authentication command.
- D. Use the ip access-group webauth in command.

Answer: B

NEW QUESTION 15

Which two actions occur when a Cisco ISE server device administrator logs in to a device? (Choose two)

- A. The device queries the internal identity store
- B. The Cisco ISE server queries the internal identity store
- C. The device queries the external identity store
- D. The Cisco ISE server queries the external identity store.
- E. The device queries the Cisco ISE authorization server

Answer: AD

NEW QUESTION 20

When configuring an authorization policy, an administrator cannot see specific Active Directory groups present in their domain to be used as a policy condition. However, other groups that are in the same domain are seen What is causing this issue?

- A. Cisco ISE only sees the built-in groups, not user created ones
- B. The groups are present but need to be manually typed as conditions
- C. Cisco ISE's connection to the AD join point is failing
- D. The groups are not added to Cisco ISE under the AD join point

Answer: D

Explanation:

https://www.youtube.com/watch?v=0kuEZEo564s&ab_channel=CiscoISE-IdentityServicesEngine

NEW QUESTION 24

What are two differences of TACACS+ compared to RADIUS? (Choose two.)

- A. TACACS+ uses a connectionless transport protocol, whereas RADIUS uses a connection-oriented transport protocol.
- B. TACACS+ encrypts the full packet payload, whereas RADIUS only encrypts the password.
- C. TACACS+ only encrypts the password, whereas RADIUS encrypts the full packet payload.
- D. TACACS+ uses a connection-oriented transport protocol, whereas RADIUS uses a connectionless transport protocol.
- E. TACACS+ supports multiple sessions per user, whereas RADIUS supports one session per user.

Answer: BD

NEW QUESTION 26

When creating a policy within Cisco ISE for network access control, the administrator wants to allow different access restrictions based upon the wireless SSID to which the device is connecting. Which policy condition must be used in order to accomplish this?

- A. Network Access NetworkDeviceName CONTAINS <SSID Name>
- B. DEVICE Device Type CONTAINS <SSID Name>
- C. Radius Called-Station-ID CONTAINS <SSID Name>
- D. Airespace Airespace-Wlan-Id CONTAINS <SSID Name>

Answer: C

Explanation:

<https://www.cisco.com/c/en/us/support/docs/security/identity-services-engine/115734-ise-policies-ssid-00.h>

NEW QUESTION 29

A network engineer needs to ensure that the access credentials are not exposed during the 802.1x authentication among components. Which two protocols should complete this task?

- A. PEAP
- B. EAP-MD5
- C. LEAP
- D. EAP-TLS
- E. EAP-TTLS

Answer: BD

NEW QUESTION 30

Which Cisco ISE deployment model is recommended for an enterprise that has over 50,000 concurrent active endpoints?

- A. large deployment with fully distributed nodes running all personas
- B. medium deployment with primary and secondary PAN/MnT/pxGrid nodes with shared PSNs
- C. medium deployment with primary and secondary PAN/MnT/pxGrid nodes with dedicated PSNs
- D. small deployment with one primary and one secondary node running all personas

Answer: C

NEW QUESTION 32

Which two fields are available when creating an endpoint on the context visibility page of Cisco IS? (Choose two)

- A. Policy Assignment
- B. Endpoint Family
- C. Identity Group Assignment
- D. Security Group Tag
- E. IP Address

Answer: AC

NEW QUESTION 34

An engineer is configuring Cisco ISE for guest services They would like to have any unregistered guests redirected to the guest portal for authentication then have a CoA provide them with full access to the network that is segmented via firewalls Why is the given configuration failing to accomplish this goal?

- A. The Guest Flow condition is not in the line that gives access to the quest portal
- B. The Network_Access_Authentication_Passed condition will not work with guest services for portal access.
- C. The Permit Access result is not set to restricted access in its policy line
- D. The Guest Portal and Guest Access policy lines are in the wrong order

Answer: D

NEW QUESTION 35

A network administrator must configura endpoints using an 802 1X authentication method with EAP identity certificates that are provided by the Cisco ISE When the endpoint presents the identity certificate to Cisco ISE to validate the certificate, endpoints must be authorized to connect to the network Which EAP type must be configured by the network administrator to complete this task?

- A. EAP-PEAP-MSCHAPv2
- B. EAP-TTLS
- C. EAP-FAST
- D. EAP-TLS

Answer: D

Explanation:

<https://docs.microsoft.com/en-us/troubleshoot/windows-server/networking/certificate-requirements-eap-tls-peap> about EAP FAST
<https://www.cisco.com/c/en/us/support/docs/wireless-mobility/eap-fast/200322-Understanding-EAP-FAST-and->

NEW QUESTION 37

An administrator is configuring sponsored guest access using Cisco ISE Access must be restricted to the sponsor portal to ensure that only necessary employees can issue sponsored accounts and employees must be classified to do so What must be done to accomplish this task?

- A. Configure an identity-based access list in Cisco ISE to restrict the users allowed to login
- B. Edit the sponsor portal to only accept members from the selected groups
- C. Modify the sponsor groups assigned to reflect the desired user groups
- D. Create an authorization rule using the Guest Flow condition to authorize the administrators

Answer: C

NEW QUESTION 42

Which two probes must be enabled for the ARP cache to function in the Cisco ISE profile service so that a user can reliably bind the IP address and MAC

addresses of endpoints? (Choose two.)

- A. NetFlow
- B. SNMP
- C. HTTP
- D. DHCP
- E. RADIUS

Answer: DE

Explanation:

Cisco ISE implements an ARP cache in the profiling service, so that you can reliably map the IP addresses and the MAC addresses of endpoints. For the ARP cache to function, you must enable either the DHCP probe or the RADIUS probe. The DHCP and RADIUS probes carry the IP addresses and the MAC addresses of endpoints in the payload data. The dhcp-requested address attribute in the DHCP probe and the Framed-IP-address attribute in the RADIUS probe carry the IP addresses of endpoints, along with their MAC addresses, which can be mapped and stored in the ARP cache.

https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin_guide/b_ise_admin_guide_21/b_ise_admin_guide

NEW QUESTION 46

An engineer is configuring the remote access VPN to use Cisco ISE for AAA and needs to conduct posture checks on the connecting endpoints. After the endpoint connects, it receives its initial authorization result and continues onto the compliance scan. What must be done for this AAA configuration to allow compliant access to the network?

- A. Configure the posture authorization so it defaults to unknown status
- B. Fix the CoA port number
- C. Ensure that authorization only mode is not enabled
- D. Enable dynamic authorization within the AAA server group

Answer: D

NEW QUESTION 49

An engineer needs to configure a Cisco ISE server to issue a CoA for endpoints already authenticated to access the network. The CoA option must be enforced on a session, even if there are multiple active sessions on a port. What must be configured to accomplish this task?

- A. the Reauth CoA option in the Cisco ISE system profiling settings enabled
- B. an endpoint profiling policy with the No CoA option enabled
- C. an endpoint profiling policy with the Port Bounce CoA option enabled
- D. the Port Bounce CoA option in the Cisco ISE system profiling settings enabled

Answer: A

NEW QUESTION 52

There are several devices on a network that are considered critical and need to be placed into the ISE database and a policy used for them. The organization does not want to use profiling. What must be done to accomplish this goal?

- A. Enter the MAC address in the correct Endpoint Identity Group.
- B. Enter the MAC address in the correct Logical Profile.
- C. Enter the IP address in the correct Logical Profile.
- D. Enter the IP address in the correct Endpoint Identity Group.

Answer: A

NEW QUESTION 57

An engineer tests Cisco ISE posture services on the network and must configure the compliance module to automatically download and install on endpoints. Which action accomplishes this task for VPN users?

- A. Create a Cisco AnyConnect configuration and Client Provisioning policy within Cisco ISE.
- B. Configure the compliance module to be downloaded from within the posture policy.
- C. Push the compliance module from Cisco FTD prior to attempting posture.
- D. Use a compound posture condition to check for the compliance module and download if needed.

Answer: A

NEW QUESTION 59

A company manager is hosting a conference. Conference participants must connect to an open guest SSID and only use a preassigned code that they enter into the guest portal prior to gaining access to the network. How should the manager configure Cisco ISE to accomplish this goal?

- A. Create entries in the guest identity group for all participants.
- B. Create an access code to be entered in the AUP page.
- C. Create logins for each participant to give them sponsored access.
- D. Create a registration code to be entered on the portal splash page.

Answer: B

NEW QUESTION 60

A network administrator has just added a front desk receptionist account to the Cisco ISE Guest Service sponsor group. Using the Cisco ISE Guest Sponsor Portal, which guest services can the receptionist provide?

- A. Keep track of guest user activities
- B. Configure authorization settings for guest users
- C. Create and manage guest user accounts
- D. Authenticate guest users to Cisco ISE

Answer: C

NEW QUESTION 63

An administrator needs to allow guest devices to connect to a private network without requiring usernames and passwords. Which two features must be configured to allow for this? (Choose two.)

- A. hotspot guest portal
- B. device registration WebAuth
- C. central WebAuth
- D. local WebAuth
- E. self-registered guest portal

Answer: AB

NEW QUESTION 66

A network administrator is configuring client provisioning resource policies for client machines and must ensure that an agent pop-up is presented to the client when attempting to connect to the network. Which configuration item needs to be added to allow for this?

- A. the client provisioning URL in the authorization policy
- B. a temporal agent that gets installed onto the system
- C. a remote posture agent proxying the network connection
- D. an API connection back to the client

Answer: C

NEW QUESTION 68

An engineer is configuring a guest password policy and needs to ensure that the password complexity requirements are set to mitigate brute force attacks. Which two requirements complete this policy? (Choose two)

- A. minimum password length
- B. active username limit
- C. access code control
- D. password expiration period
- E. username expiration date

Answer: AD

NEW QUESTION 69

An engineer is designing a BYOD environment utilizing Cisco ISE for devices that do not support native supplicants. Which portal must the security engineer configure to accomplish this task?

- A. MDM
- B. Client provisioning
- C. My devices
- D. BYOD

Answer: C

Explanation:

https://www.cisco.com/c/en/us/td/docs/security/ise/2-2/admin_guide/b_ise_admin_guide_22/b_ise_admin_guide

NEW QUESTION 74

An administrator for a small network is configuring Cisco ISE to provide dynamic network access to users. Management needs Cisco ISE to not automatically trigger a CoA whenever a profile change is detected. Instead, the administrator needs to verify the new profile and manually trigger a CoA. What must be configured in the profiler to accomplish this goal?

- A. Port Bounce
- B. No CoA
- C. Session Query
- D. Reauth

Answer: B

Explanation:

<https://ciscocustomer.lookbookhq.com/iseguidedjourney/ISE-profiling-policies>

NEW QUESTION 75

While configuring Cisco TrustSec on Cisco IOS devices the engineer must set the CTS device ID and password in order for the devices to authenticate with each other. However after this is complete the devices are not able to properly authenticate. What issue would cause this to happen even if the device ID and passwords are correct?

- A. The device aliases are not matching
- B. The 5GT mappings have not been defined
- C. The devices are missing the configuration `cts credentials trustsec verify 1`
- D. EAP-FAST is not enabled

Answer: B

NEW QUESTION 77

An organization wants to improve their BYOD processes to have Cisco ISE issue certificates to the BYOD endpoints. Currently, they have an active certificate authority and do not want to replace it with Cisco ISE. What must be configured within Cisco ISE to accomplish this goal?

- A. Create a certificate signing request and have the root certificate authority sign it.
- B. Add the root certificate authority to the trust store and enable it for authentication.
- C. Create an SCEP profile to link Cisco ISE with the root certificate authority.
- D. Add an OCSP profile and configure the root certificate authority as secondary.

Answer: C

Explanation:

Ref: <https://www.cisco.com/c/en/us/support/docs/security/identity-services-engine-software/116068-configure-pr>

NEW QUESTION 81

Refer to the exhibit. An engineer is creating a new TACACS* command set and cannot use any show commands after toggling into the device with this command set authorization. Which configuration is causing this issue?

- A. Question marks are not allowed as wildcards for command sets.
- B. The command set is allowing all commands that are not in the command list
- C. The wildcard command listed is in the wrong format
- D. The command set is working like an ACL and denying every command.

Answer: A

NEW QUESTION 85

An engineer is configuring 802.1X and is testing out their policy sets. After authentication, some endpoints are given an access-reject message but are still allowed onto the network. What is causing this issue to occur?

- A. The switch port is configured with authentication event server dead action `authorize vlan`.
- B. The authorization results for the endpoints include a dACL allowing access.
- C. The authorization results for the endpoints include the Trusted security group tag.
- D. The switch port is configured with authentication open.

Answer: D

NEW QUESTION 86

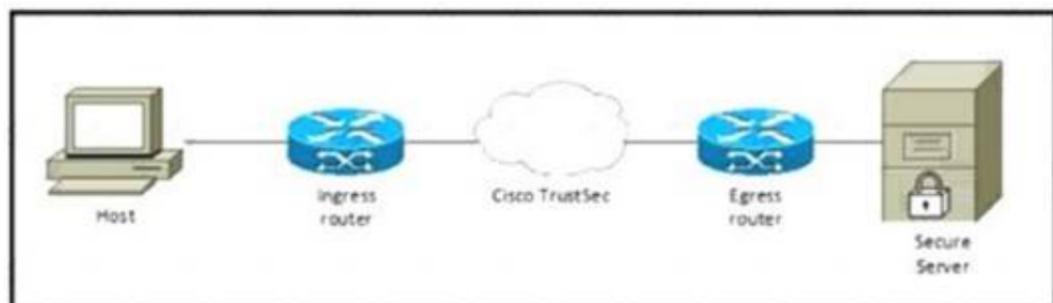
An organization is migrating its current guest network to Cisco ISE and has 1000 guest users in the current database. There are no resources to enter this information into the Cisco ISE database manually. What must be done to accomplish this task efficiently?

- A. Use a CSV file to import the guest accounts
- B. Use SQL to link the existing database to Cisco ISE
- C. Use a JSON file to automate the migration of guest accounts
- D. Use an XML file to change the existing format to match that of Cisco ISE

Answer: A

NEW QUESTION 90

Refer to the exhibit



Which component must be configured to apply the SGACL?

- A. egress router
- B. host
- C. secure server
- D. ingress router

Answer: A

Explanation:

https://www.cisco.com/c/en/us/td/docs/switches/lan/trustsec/configuration/guide/trustsec/arch_over.html#52796

NEW QUESTION 91

What sends the redirect ACL that is configured in the authorization profile back to the Cisco WLC?

- A. Cisco-av-pair
- B. Class attribute
- C. Event
- D. State attribute

Answer: A

NEW QUESTION 96

Refer to the exhibit.



An organization recently implemented network device administration using Cisco ISE. Upon testing the ability to access all of the required devices, a user in the Cisco ISE group IT Admins is attempting to login to a device in their organization's finance department but is unable to. What is the problem?

- A. The IT training rule is taking precedence over the IT Admins rule.
- B. The authorization conditions wrongly allow IT Admins group no access to finance devices.
- C. The finance location is not a condition in the policy set.
- D. The authorization policy doesn't correctly grant them access to the finance devices.

Answer: D

NEW QUESTION 100

Which two events trigger a CoA for an endpoint when CoA is enabled globally for ReAuth? (Choose two.)

- A. endpoint marked as lost in My Devices Portal
- B. addition of endpoint to My Devices Portal
- C. endpoint profile transition from Apple-Device to Apple-iPhone
- D. endpoint profile transition from Unknown to Windows 10-Workstation
- E. updating of endpoint dACL.

Answer: CD

NEW QUESTION 104

An engineer must configure Cisco ISE to provide internet access for guests in which guests are required to enter a code to gain network access. Which action accomplishes the goal?

- A. Configure the hotspot portal for guest access and require an access code.
- B. Configure the sponsor portal with a single account and use the access code as the password.
- C. Configure the self-registered guest portal to allow guests to create a personal access code.
- D. Create a BYOD policy that bypasses the authentication of the user and authorizes access codes.

Answer: A

NEW QUESTION 106

Which personas can a Cisco ISE node assume'?

- A. policy service, gatekeeping, and monitoring
- B. administration, policy service, and monitoring
- C. administration, policy service, gatekeeping
- D. administration, monitoring, and gatekeeping

Answer: B

Explanation:

https://www.cisco.com/en/US/docs/security/ise/1.0/user_guide/ise10_dis_deploy.html

The persona or personas of a node determine the services provided by a node. An ISE node can assume any or all of the following personas: Administration, Policy Service, and Monitoring. The menu options that are available through the administrative user interface are dependent on the role and personas that an ISE node assumes. See Cisco ISE Nodes and Available Menu Options for more information.

NEW QUESTION 109

A new employee just connected their workstation to a Cisco IP phone. The network administrator wants to ensure that the Cisco IP phone remains online when the user disconnects their Workstation from the corporate network Which CoA configuration meets this requirement?

- A. Port Bounce
- B. Reauth
- C. NoCoA
- D. Disconnect

Answer: C

Explanation:

<https://ciscocustomer.lookbookhq.com/iseguidedjourney/ISE-profiling-design>

NEW QUESTION 110

Which command displays all 802 1X/MAB sessions that are active on the switch ports of a Cisco Catalyst switch?

- A. show authentication sessions output
- B. Show authentication sessions
- C. show authentication sessions interface Gi 1/0/x
- D. show authentication sessions interface Gi1/0/x output

Answer: B

NEW QUESTION 113

An administrator wants to configure network device administration and is trying to decide whether to use TACACS* or RADIUS. A reliable protocol must be used that can check command authorization Which protocol meets these requirements and why?

- A. TACACS+ because it runs over TCP
- B. RADIUS because it runs over UDP
- C. RADIUS because it runs over TCP.
- D. TACACS+ because it runs over UDP

Answer: A

NEW QUESTION 115

During BYOD flow, from where does a Microsoft Windows PC download the Network Setup Assistant?

- A. Cisco App Store
- B. Microsoft App Store
- C. Cisco ISE directly
- D. Native OTA functionality

Answer: C

NEW QUESTION 118

The IT manager wants to provide different levels of access to network devices when users authenticate using TACACS+. The company needs specific commands to be allowed based on the Active Directory group membership of the different roles within the IT department. The solution must minimize the number of objects created in Cisco ISE. What must be created to accomplish this task?

- A. one shell profile and one command set
- B. multiple shell profiles and one command set
- C. one shell profile and multiple command sets
- D. multiple shell profiles and multiple command sets

Answer: C

NEW QUESTION 120

In a standalone Cisco ISE deployment, which two personas are configured on a node? (Choose two)

- A. publisher
- B. administration
- C. primary
- D. policy service
- E. subscriber

Answer: BD

Explanation:

https://www.cisco.com/c/en/us/td/docs/security/ise/2-0/admin_guide/b_ise_admin_guide_20/b_ise_admin_guide

NEW QUESTION 123

An administrator is attempting to replace the built-in self-signed certificates on a Cisco ISE appliance. The CA is requesting some information about the appliance in order to sign the new certificate. What must be done in order to provide the CA this information?

- A. Install the Root CA and intermediate CA.
- B. Generate the CSR.
- C. Download the intermediate server certificate.
- D. Download the CA server certificate.

Answer: B

NEW QUESTION 124

What is needed to configure wireless guest access on the network?

- A. endpoint already profiled in ISE
- B. WEBAUTH ACL for redirection
- C. valid user account in Active Directory
- D. Captive Portal Bypass turned on

Answer: D

NEW QUESTION 126

A network engineer is configuring guest access and notices that when a guest user registers a second device for access, the first device loses access. What must be done to ensure that both devices for a particular user are able to access the guest network simultaneously?

- A. Configure the sponsor group to increase the number of logins.
- B. Use a custom portal to increase the number of logins
- C. Modify the guest type to increase the number of maximum devices
- D. Create an Adaptive Network Control policy to increase the number of devices

Answer: C

Explanation:

https://content.cisco.com/chapter.sjs?uri=/searchable/chapter/content/en/us/td/docs/security/ise/2-7/admin_guide

NEW QUESTION 130

An employee logs on to the My Devices portal and marks a currently on-boarded device as 'Lost'. Which two actions occur within Cisco ISE as a result of this action? (Choose two)

- A. Certificates provisioned to the device are not revoked
- B. BYOD Registration status is updated to No
- C. The device access has been denied
- D. BYOD Registration status is updated to Unknown.
- E. The device status is updated to Stolen

Answer: AB

Explanation:

https://www.cisco.com/c/en/us/td/docs/security/ise/2-2/admin_guide/b_ise_admin_guide_22/b_ise_admin_guide

NEW QUESTION 135

What is the purpose of the ip http server command on a switch?

- A. It enables the https server for users for web authentication
- B. It enables MAB authentication on the switch
- C. It enables the switch to redirect users for web authentication.
- D. It enables dot1x authentication on the switch.

Answer: C

NEW QUESTION 140

A network security engineer needs to configure 802.1X port authentication to allow a single host to be authenticated for data and another single host to be authenticated for voice. Which command should the engineer run on the interface to accomplish this goal?

- A. authentication host-mode single-host
- B. authentication host-mode multi-auth
- C. authentication host-mode multi-host
- D. authentication host-mode multi-domain

Answer: D

NEW QUESTION 145

A Cisco ISE administrator needs to ensure that guest endpoint registrations are only valid for one day. When testing the guest policy flow, the administrator sees that the Cisco ISE does not delete the endpoint in the Guest Endpoints identity store after one day and allows access to the guest network after that period. Which configuration is causing this problem?

- A. The Endpoint Purge Policy is set to 30 days for guest devices
- B. The RADIUS policy set for guest access is set to allow repeated authentication of the same device
- C. The length of access is set to 7 days in the Guest Portal Settings
- D. The Guest Account Purge Policy is set to 15 days

Answer: A

Explanation:

https://www.cisco.com/c/en/us/td/docs/security/ise/1-3/admin_guide/b_ise_admin_guide_13/b_ise_admin_guide

NEW QUESTION 150

Which advanced option within a WLAN must be enabled to trigger Central Web Authentication for Wireless users on AireOS controller?

- A. DHCP server
- B. static IP tunneling
- C. override Interface ACL
- D. AAA override

Answer: D

NEW QUESTION 151

An engineer is using the low-impact mode for a phased deployment of Cisco ISE and is trying to connect to the network prior to authentication. Which access will be denied in this?

- A. HTTP
- B. DNS
- C. EAP
- D. DHCP

Answer: A

NEW QUESTION 156

What is an advantage of using EAP-TLS over EAP-MS-CHAPv2 for client authentication?

- A. EAP-TLS uses a username and password for authentication to enhance security, while EAP-MS-CHAPv2 does not.
- B. EAP-TLS secures the exchange of credentials, while EAP-MS-CHAPv2 does not.
- C. EAP-TLS uses a device certificate for authentication to enhance security, while EAP-MS-CHAPv2 does not.
- D. EAP-TLS uses multiple forms of authentication, while EAP-MS-CHAPv2 only uses one.

Answer: C

NEW QUESTION 159

An engineer is tasked with placing a guest access anchor controller in the DMZ. Which two ports or port sets must be opened up on the firewall to accomplish this task? (Choose two.)

- A. UDP port 1812 RADIUS
- B. TCP port 161
- C. TCP port 514
- D. UDP port 79
- E. UDP port 16666

Answer: BC

NEW QUESTION 160

Refer to the exhibit.

Interface	MAC Address	Method	Domain	Status	Fg	Session ID
Gi1/0/6	0024.142d.e47f	mab	UNKNOWN	Auth		C0A82902000000C2BBAF5D3
Gi1/0/1	0050.5698.0720	dot1x	UNKNOWN	Unauth		C0A82902000000152BCD0BE7

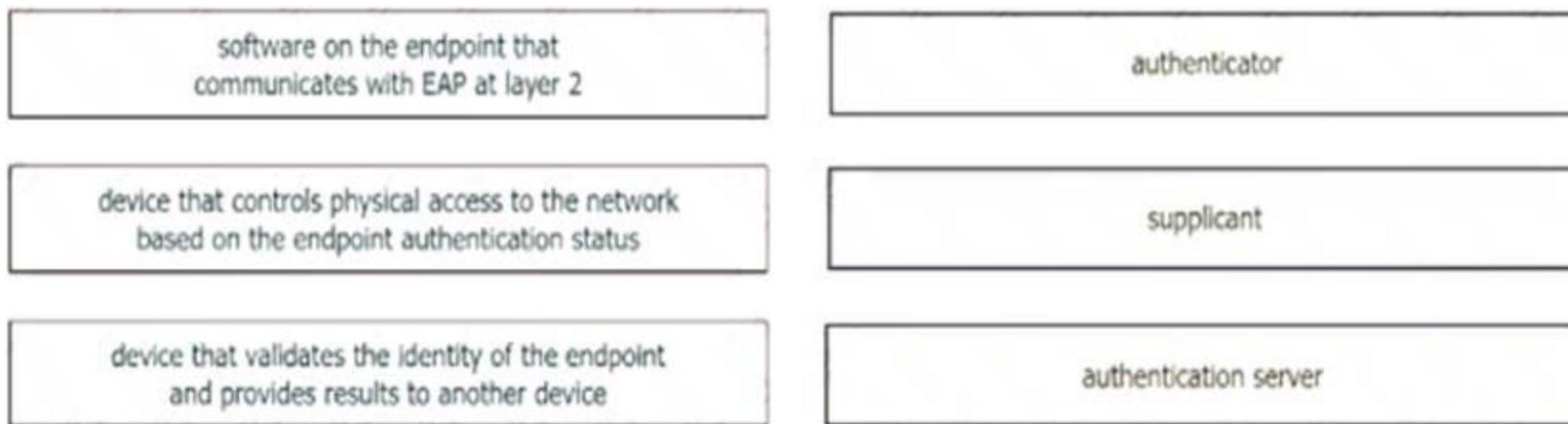
An engineer is configuring a client but cannot authenticate to Cisco ISE During troubleshooting, the show authentication sessions command was issued to display the authentication status of each port Which command gives additional information to help identify the problem with the authentication?

- A. show authentication sessions
- B. show authentication sessions Interface Gi1/0/1 output
- C. show authentication sessions interface Gi1/0/1 details
- D. show authentication sessions output

Answer: C

NEW QUESTION 164

Drag the descriptions on the left onto the components of 802.1X on the right.

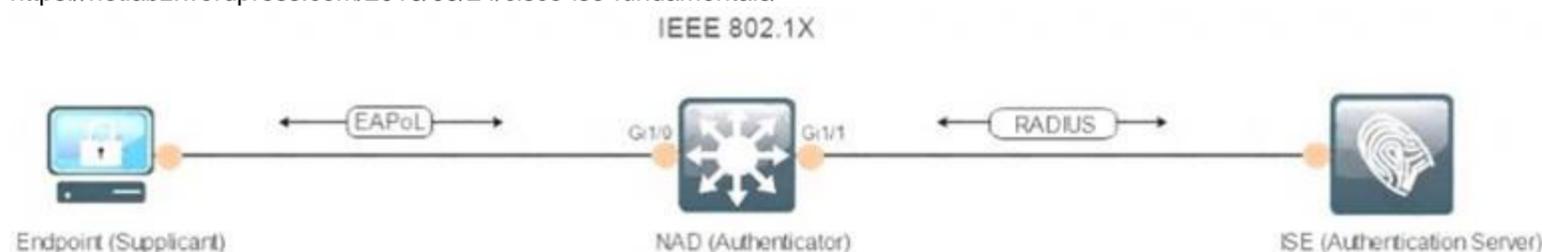


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://netlabz.wordpress.com/2016/09/24/cisco-ise-fundamentals/>



NEW QUESTION 166

A network administrator must configure Cisco SE Personas in the company to share session information via syslog. Which Cisco ISE personas must be added to syslog receivers to accomplish this goal?

- A. pxGrid
- B. admin
- C. policy services
- D. monitor

Answer: D

NEW QUESTION 171

What is a difference between TACACS+ and RADIUS in regards to encryption?

- A. TACACS+ encrypts only the password, whereas RADIUS encrypts the username and password.
- B. TACACS+ encrypts the username and password, whereas RADIUS encrypts only the password.
- C. TACACS+ encrypts the password, whereas RADIUS sends the entire packet in clear text.
- D. TACACS+ encrypts the entire packet, whereas RADIUS encrypts only the password.

Answer: D

NEW QUESTION 172

An engineer is unable to use SSH to connect to a switch after adding the required CLI commands to the device to enable TACACS+. The device administration license has been added to Cisco ISE, and the required policies have been created. Which action is needed to enable access to the switch?

- A. The ip ssh source-interface command needs to be set on the switch
- B. 802.1X authentication needs to be configured on the switch.
- C. The RSA keypair used for SSH must be regenerated after enabling TACACS+.
- D. The switch needs to be added as a network device in Cisco ISE and set to use TACACS+.

Answer: D

NEW QUESTION 175

A network administrator is setting up wireless guest access and has been unsuccessful in testing client access. The endpoint is able to connect to the SSID but is unable to grant access to the guest network through the guest portal. What must be done to identify the problem?

- A. Use context visibility to verify posture status.
- B. Use the endpoint ID to execute a session trace.
- C. Use the identity group to validate the authorization rules.
- D. Use traceroute to ensure connectivity.

Answer: B

Explanation:

https://www.cisco.com/c/en/us/td/docs/security/ise/1-3/admin_guide/b_ise_admin_guide_13/b_ise_admin_guide

NEW QUESTION 179

A Cisco ISE administrator needs to ensure that guest endpoint registrations are only valid for 1 day. When testing the guest policy flow, the administrator sees that the Cisco ISE does not delete the endpoint in the Guest Endpoints identity store after one day and allows access to the guest network after that period. Which configuration is causing this problem?

- A. The RADIUS policy set for guest access is set to allow repeated authentication of the same device.
- B. The length of access is set to 7 days in the Guest Portal Settings.
- C. The Endpoint Purge Policy is set to 30 days for guest devices.
- D. The Guest Account Purge Policy is set to 15 days.

Answer: C

NEW QUESTION 181

An administrator has added a new Cisco ISE PSN to their distributed deployment. Which two features must the administrator enable to accept authentication requests and profile the endpoints correctly, and add them to their respective endpoint identity groups? (Choose two)

- A. Session Services
- B. Endpoint Attribute Filter
- C. Posture Services
- D. Profiling Services
- E. Radius Service

Answer: DE

NEW QUESTION 183

An administrator is configuring a new profiling policy in Cisco ISE for a printer type that is missing from the profiler feed. The logical profile Printers must be used in the authorization rule and the rule must be hit. What must be done to ensure that this configuration will be successful?

- A. Create a new logical profile for the new printer policy
- B. Enable the EndPoints:EndPointPolicy condition in the authorization policy.
- C. Add the new profiling policy to the logical profile Printers.
- D. Modify the profiler conditions to ensure that it goes into the correct logical profile

Answer: B

NEW QUESTION 185

What is a function of client provisioning?

- A. Client provisioning ensures that endpoints receive the appropriate posture agents.
- B. Client provisioning checks a dictionary attribute with a value.
- C. Client provisioning ensures an application process is running on the endpoint.
- D. Client provisioning checks the existence, date, and versions of the file on a client.

Answer: A

Explanation:

https://www.cisco.com/c/en/us/td/docs/security/ise/1-2/user_guide/ise_client_prov.html#:~:text=After%20

NEW QUESTION 186

Which default endpoint identity group does an endpoint that does not match any profile in Cisco ISE become a member of?

- A. Endpoint
- B. unknown
- C. blacklist
- D. white list
- E. profiled

Answer: B

Explanation:

If you do not have a matching profiling policy, you can assign an unknown profiling policy. The endpoint is therefore profiled as Unknown. The endpoint that does not match any profile is grouped within the Unknown identity group. The endpoint profiled to the Unknown profile requires that you create a profile with an attribute or a set of attributes collected for that endpoint.

https://www.cisco.com/en/US/docs/security/ise/1.0/user_guide/ise10_man_identities.html

NEW QUESTION 191

An engineer is configuring posture assessment for their network access control and needs to use an agent that supports using service conditions as conditions for the assessment. The agent should be run as a background process to avoid user interruption but when it is run, the user can see it. What is the problem?

- A. The engineer is using the "Anyconnect" posture agent but should be using the "Stealth Anyconnect posture agent
- B. The posture module was deployed using the headend instead of installing it with SCCM
- C. The user was in need of remediation so the agent appeared in the notifications
- D. The proper permissions were not given to the temporal agent to conduct the assessment

Answer: A

NEW QUESTION 192

An administrator adds a new network device to the Cisco ISE configuration to authenticate endpoints to the network. The RADIUS test fails after the administrator configures all of the settings in Cisco ISE and adds the proper configurations to the switch. What is the issue?"

- A. The endpoint profile is showing as "unknown."
- B. The endpoint does not have the appropriate credentials for network access.
- C. The shared secret is incorrect on the switch or on Cisco ISE.
- D. The certificate on the switch is self-signed not a CA-provided certificate.

Answer: B

NEW QUESTION 197

What are the minimum requirements for deploying the Automatic Failover feature on Administration nodes in a distributed Cisco ISE deployment?

- A. a primary and secondary PAN and a health check node for the Secondary PAN
- B. a primary and secondary PAN and no health check nodes
- C. a primary and secondary PAN and a pair of health check nodes
- D. a primary and secondary PAN and a health check node for the Primary PAN

Answer: D

NEW QUESTION 199

When planning for the deployment of Cisco ISE, an organization's security policy dictates that they must use network access authentication via RADIUS. It also states that the deployment provide an adequate amount of security and visibility for the hosts on the network. Why should the engineer configure MAB in this situation?

- A. The Cisco switches only support MAB.
- B. MAB provides the strongest form of authentication available.
- C. The devices in the network do not have a supplicant.
- D. MAB provides user authentication.

Answer: C

NEW QUESTION 204

An administrator is configuring cisco ISE to authenticate users logging into network devices using TACACS+. The administrator is not seeing any of the authentication in the TACACS+ live logs. Which action ensures the users are able to log into the network devices?

- A. Enable the device administration service in the Administration persona
- B. Enable the session services in the administration persona
- C. Enable the service sessions in the PSN persona.
- D. Enable the device administration service in the PSN persona.

Answer: D

Explanation:

https://www.cisco.com/c/en/us/td/docs/security/ise/2-4/admin_guide/b_ISE_admin_guide_24/m_ise_tacacs_dev

NEW QUESTION 205

An engineer is configuring a virtual Cisco ISE deployment and needs each persona to be on a different node. Which persona should be configured with the largest amount of storage in this environment?

- A. policy Services
- B. Primary Administration
- C. Monitoring and Troubleshooting
- D. Platform Exchange Grid

Answer: C

NEW QUESTION 210

An administrator replaced a PSN in the distributed Cisco ISE environment. When endpoints authenticate to it, the devices are not getting the right profiles or attributes and as a result, are not hitting the correct policies. This was working correctly on the previous PSN. Which action must be taken to ensure the endpoints get identified?

- A. Verify that the MnT node is tracking the session.
- B. Verify the shared secret used between the switch and the PSN.
- C. Verify that the profiling service is running on the new PSN.
- D. Verify that the authentication request the PSN is receiving is not malformed.

Answer: C

NEW QUESTION 214

A user reports that the RADIUS accounting packets are not being seen on the Cisco ISE server. Which command is the user missing in the switch's configuration?

- A. radius-server vsa send accounting
- B. aaa accounting network default start-stop group radius
- C. aaa accounting resource default start-stop group radius

D. aaa accounting exec default start-stop group radios

Answer: A

NEW QUESTION 217

What is a valid status of an endpoint attribute during the device registration process?

- A. block listed
- B. pending
- C. unknown
- D. DenyAccess

Answer: B

NEW QUESTION 220

Which two task types are included in the Cisco ISE common tasks support for TACACS+ profiles? (Choose two.)

- A. Firepower
- B. WLC
- C. IOS
- D. ASA
- E. Shell

Answer: BE

Explanation:

[https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin_guide/b_ise_admin_guide_21/b_ise_admin_guide_TACACS+ Profile](https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin_guide/b_ise_admin_guide_21/b_ise_admin_guide_TACACS+_Profile)

TACACS+ profiles control the initial login session of the device administrator. A session refers to each individual authentication, authorization, or accounting request. A session authorization request to a network device elicits an ISE response. The response includes a token that is interpreted by the network device, which limits the commands that may be executed for the duration of a session. The authorization policy for a device administration access service can contain a single shell profile and multiple command sets. The TACACS+ profile definitions are split into two components:

- Common tasks
- Custom attributes

There are two views in the TACACS+ Profiles page (Work Centers > Device Administration > Policy Elements > Results > TACACS Profiles)—Task Attribute View and Raw View. Common tasks can be entered using the Task Attribute View and custom attributes can be created in the Task Attribute View as well as the Raw View.

The Common Tasks section allows you to select and configure the frequently used attributes for a profile. The attributes that are included here are those defined by the TACACS+ protocol draft specifications. However, the values can be used in the authorization of requests from other services. In the Task Attribute View, the ISE administrator can set the privileges that will be assigned to the device administrator. The common task types are:

- Shell
- WLC
- Nexus
- Generic

The Custom Attributes section allows you to configure additional attributes. It provides a list of attributes that are not recognized by the Common Tasks section. Each definition consists of the attribute name, an indication of whether the attribute is mandatory or optional, and the value for the attribute. In the Raw View, you can enter the mandatory attributes using an equal to (=) sign between the attribute name and its value and optional attributes are entered using an asterisk (*) between the attribute name and its value. The attributes entered in the Raw View are reflected in the Custom Attributes section in the Task Attribute View and vice versa. The Raw View is also used to copy paste the attribute list (for example, another product's attribute list) from the clipboard onto ISE. Custom attributes can be defined for nonshell services.

NEW QUESTION 223

Which two methods should a sponsor select to create bulk guest accounts from the sponsor portal? (Choose two)

- A. Random
- B. Monthly
- C. Daily
- D. Imported
- E. Known

Answer: AD

NEW QUESTION 226

A policy is being created in order to provide device administration access to the switches on a network. There is a requirement to ensure that if the session is not actively being used, after 10 minutes, it will be disconnected. Which task must be configured in order to meet this requirement?

- A. session timeout
- B. idle time
- C. monitor
- D. set attribute as

Answer: A

Explanation:

https://www.cisco.com/c/en/us/td/docs/security/ise/2-4/admin_guide/b_ISE_admin_guide_24/m_admin_ac

NEW QUESTION 230

A Cisco device has a port configured in multi-authentication mode and is accepting connections only from hosts assigned the SGT of SGT_0422048549 The VLAN trunk link supports a maximum of 8 VLANS What is the reason for these restrictions?

- A. The device is performing inline tagging without acting as a SXP speaker
- B. The device is performing mime tagging while acting as a SXP speaker
- C. The IP subnet addresses are dynamically mapped to an SGT.
- D. The IP subnet addresses are statically mapped to an SGT

Answer: C

NEW QUESTION 234

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